Kathy Hurst/ODOT
10/11/2010 09:56 PM

To "Wright, Dayna L." <Dayna.Wright@benham.com>
cc
bcc
Subject Re: Benham's Response to EC-1321

Ms. Wright,

I opened the attachment successfully and submitted your firm's information.

Thank you.

Kathy Hurst
Contract Administrator
Project Management Division
200 NE 21st Street, 1 C-4a
Oklahoma City, OK 73105
405.522.7606
khurst@odot.org

"Wright, Dayna L." <Dayna.Wright@benham.com>

"Wright, Dayna L." <Dayna.Wright@benham.com>
10/08/2010 03:42 PM

To <khurst@odot.org>
cc
Subject Benham's Response to EC-1321

Ms. Hurst,

Attached is Benham's Letter of Interest / Statement of Qualifications from Benham for EC-1321. Please reply to this e-mail to confirm you have received our submittal.

If you need further information, please call or send me an e-mail.

Thank you,

Dayna Wright | Benham, An SAIC Company
Proposal Coordinator | Water, Environment & Transportation
Energy, Environment & Infrastructure Solutions
Office: 405.607.6155 | mobile: 918.629.4808

Benham Response_EC-1321.pdf

Professional Services
Off-System Bridge Inspection
Statewide

EC-1321

BENHAM

an SAIC company

October 8, 2010

The Benham Companies, LLC.
9400 North Broadway
Oklahoma City, Oklahoma 73114

Telephone 405.478.5353
Fax 405.478.1238
info@benham.com
www.benham.com

October 8, 2010

Ms. Kathy Hurst
Project Management Division
Oklahoma Department of Transportation
200 N.E. 21st Street, Room 1C-4A
Oklahoma City, Oklahoma 73105

Re: Submittal of Qualifications
EC-1321

Dear Ms. Hurst,

The Benham Companies, LLC is pleased to submit our Letter of Interest and Statement of Qualifications to provide professional engineering services for the Statewide Off-System Bridge Inspection. We have included information to illustrate our qualifications and the required information needed by ODOT to make decisions concerning our ability to provide the necessary professional services.

All of our Team Leaders have also completed the two week NHI Course No. 13055 and actively participate in ODOT QC/QA training. Benham has provided Certified Bridge Inspection Services since 2003, and is currently providing bridge inspections for the Cities of Atoka, Durant, McAlester, Poteau, Sapulpa, and Tulsa along with Bryan, Choctaw, Coal (Districts 1 & 3), Garvin, McCurtain, Murray, Pittsburg, Pushmataha, and Tulsa Counties in accordance with the latest ODOT, FHWA, AASHTO, and National Bridge Inspections Standards (NBIS).

The Benham Team will provide the following advantages to ODOT for the completion this contract:

- A strong, reliable Team with extensive similar experience;
- A Team with outstanding communication and organizational tools to assure the contract's success; and
- A Team with the depth and capabilities to meet ODOT's needs with in-house capabilities.

Thank you for the opportunity to provide our qualifications on this important contract! We look forward to discussing our capabilities in further detail.

Sincerely,

Alan A. Soltani

Alan Soltani, Ph.D., P.E.
Director of Infrastructure

AAS/dlw

Enclosures

PRINCIPAL-IN-CHARGE

Alan Soltani, PhD, PE

SR. PROJECT MANAGER

Jimmy Sparks, PE

PROGRAM MANAGER

Steve Jacoby, PE
Sue Tryon, PE

ASST. PROGRAM MANAGER

Steve Jacoby, PE
Sue Tryon, PE

INSPECTION TEAM*

TEAM LEADERS
Ute Ganjanathavat, PE
Jerald Smith, PE
Mike Wingfield, PE
Brad Burtch
Glen Watkins

QUALIFIED ASSISTANTS
Shannon Koeninger, PE
Richard Shepherd
Mary Watkins

Team configuration will be based upon specific task order requirements

TASK ORDER #1

Task Team

TASK ORDER #1

Task Team

TASK ORDER #1

Task Team

TASK ORDER #1

Task Team

STATE OF OKLAHOMA

Consultant Services
For a Specific Project

1. Project Name/Location for which firm is filing:

EC-1321
Off-System Bridge Inspection

2a. Date of Announcement:

September 13, 2010

2b. Agency originating Announcement:

Oklahoma Department of Transportation
200 N.E. 21st Street
Oklahoma City, OK 73105

3. Firm (or Joint Venture) Name and Address:

BENHAM an SAIC company
One Benham Place
9400 N. Broadway
Oklahoma City, OK 73114

3a. Certificate of Authority Number: Arch CA575 Eng CA1355

3b. FEI/Tax ID Number: 20-1659855

3c. Name, Title, & Telephone Number of Principal to Contact:

Mr. Alan Soltani, PhD, PE
Corporate Vice President
Phone: 405.478.5353
Fax: 405.478.2878

3d. Address of office to perform work if different from Item 3:

4. Personnel by Discipline: (List each person only once, by primary function.)

	Administrative		Electrical Engineers		Mechanical Engineers		Traffic Engineers
	Architects		Environmental Specialists		Mining Engineers		Wastewater
	CAD/CADD Technicians		Estimators		Planners: Urban/Regional	3	Bridge Insp. Members
	Chemical Engineers		Geologists		Sanitary Engineers		
7	Civil Engineers		Hydrologists		Soil Engineers		
	Construction Inspectors		Interior Designers		Specification Engineers		
	Draftsmen		Landscape Architects		Structural Engineers		
	Ecologists		Land Surveyors		Traffic Engineers	**10**	**Total Personnel**

5. If submittal is by a JOINT-VENTURE, list participating firms and outline specific areas of responsibility (including administrative, technical, and financial) for each firm: All firms and the joint venture MUST be registered with the Construction and Properties Division, Department of Central Services, 50 N.E. 23rd Street, Oklahoma City, OK 73105.

NA

5a. Has this Joint-Venture previously worked together? [o] Yes [o] No If Yes, how many times?

6. Brief resume of key persons, specialists, and individual consultants employed by sub-consultants anticipated for THIS PROJECT.

a. Name and Title: **Alan Soltani, PhD, PE**	a. Name and Title: **Jimmy Sparks, PE**
b. Project Assignment: **Principal-in-Charge**	b. Project Assignment: **Sr. Project Manager**
c. Name of firm with which associated: ***BENHAM***	c. Name of firm with which associated: ***BENHAM***
d. Years experience: With this firm **Since 2001** With other firms **24**	d. Years experience: With this firm **Since 1999** With other firms **3**
e. Education: Degree(s)/Year/Specialization **PhD/1996/Civil Engineering** **MBA/1985/Finance** **MS/1990/Civil Engineering** **BS/1977/Civil Engineering**	e. Education: Degree(s)/Year/Specialization **MS/1996/Civil Engineering** **BS/1995/Civil Engineering**
f. Active Registration: State/Year first registered/Discipline/Oklahoma License Number **OK/1986/Civil Engineer/#14487** Oklahoma Certificate of Authority (if any)	f. Active Registration: State/Year first registered/Discipline/ Oklahoma License Number **2003/NHI Course No. 13055 – Safety Inspection of In-Service Bridges - Certified** **2001/Professional Engineer/OK/#20000** Oklahoma Certificate of Authority (if any)
g. Other experience and qualifications relevant to the proposed project: Dr. Soltani has over 30 years of civil engineering related experience, with 18 years performing planning, managing, & designing transportation related projects in both the executive & technical capacities. He has prepared engineering estimates for roadway design & construction, conducted safety & constructability review of construction plans, & made site inspections for highways, streets, & dams to insure safety design compliance. Additionally, Dr. Soltani has prepared engineering reports & made recommendations to clients & Oklahoma State Legislators & legislative committees. He is active in city council & transportation & other public meetings. As the former Chief Traffic Engineer for ODOT, he has in-depth knowledge of state & federal transportation operations. His relevant project experience includes: • Bridge Inspection Services, Logan County, Oklahoma – Providing inspection services for 231 in-service bridges – Principal-in-Charge (2007-2008). • Bridge Inspection Services, ODOT Off-System in Cities of Atoka, Durant, McAlester and Poteau along with Bryan, Choctaw, Coal (Districts 1 & 3), Garvin, McCurtain, Murray, Pittsburg and Pushmataha Counties – Providing inspection services for 1,266 in-service bridges – Principal-in-Charge (2010). • Bridge Inspection Services, Tulsa County, Oklahoma – Providing inspection services for 195 in-service bridges – Principal-in-Charge (2005-2010). • Bridge Inspection Services, City of Tulsa, Oklahoma – Providing inspection services for 256 in-service bridges – Principal-in-Charge (2005-2010). • Bridge Inspection Services, City of Sapulpa, Oklahoma – Provided inspection services for 11 in-service bridges – Principal-in-Charge (2005-2010). • Spillway and In-Service Bridge Inspections, USACE – Tulsa District – Provided Bridge Inspection Services for 12 spillway and in-service bridges – Principal-in-Charge (2003) • Spillway and In-Service Bridge Inspections, USACE – Tulsa District – Provided Bridge Inspection Services for 7 spillway and in-service bridges – Principal-in-Charge (2004) • Bridge Inspection – Various Turnpike Bridges, Oklahoma Turnpike Authority, Oklahoma – Benham performs special inspections upon request for turnpike bridges due to damage – Principal-in-Charge	g. Other experience and qualifications relevant to the proposed project: Mr. Sparks has experience in bridge inspection and is lead engineer over many county bridge projects. In addition, he is experienced with the project related software, such as AASHTO's Pontis software. His specific project experience includes: • Oklahoma Turnpike Authority Consulting Engineer - Program Manager & Senior Project Manager (2000-2010) - Cherokee Turnpike (45 Bridges) - Chickasaw Turnpike (12 Bridges) - Cimarron Turnpike (74 Bridges) - Creek Turnpike (109 Bridges) - H. E. Bailey Turnpike (120 Bridges) - Indian Nation Turnpike (88 Bridges) - John Kilpatrick Turnpike (92 Bridges) - Muskogee Turnpike (62 Bridges) - Turner Turnpike (90 Bridges) - Will Rogers Turnpike (115 Bridges) • Scoping of Proposed Bridge Repairs for Oklahoma Turnpike Authority's Capital Improvement Program as well as inspecting collision damage to OTA bridges. • Bridge Inspection Services, Logan County, Oklahoma – Providing inspection services for 231 in-service bridges – Senior Project Manager (2007-2008). • Bridge Inspection Services, ODOT Off-System in Cities of Atoka, Durant, McAlester and Poteau along with Bryan, Choctaw, Coal (Districts 1 & 3), Garvin, McCurtain, Murray, Pittsburg and Pushmataha Counties – Providing inspection services for 1,266 in-service bridges – Senior Project Manager (2010). • Bridge Inspection Services, Tulsa County, Oklahoma – Providing inspection services for 195 in-service bridges – Senior Project Manager (2005-2010). • Bridge Inspection Services, City of Tulsa, Oklahoma – Providing inspection services for 256 in-service bridges – Senior Project Manager (2007-2010). • Bridge Inspection Services, City of Sapulpa, Oklahoma – Provided inspection services for 11 in-service bridges – Senior Project Manager (2007-2010).

6. Brief resume of key persons, specialists, and individual consultants employed by sub-consultants anticipated for THIS PROJECT.

a. Name and Title: **Gary Bartosovsky, PE**	a. Name and Title: **Sue Tryon, PE**
b. Project Assignment: **Program Manager**	b. Project Assignment: **Assistant Program Manager**
c. Name of firm with which associated: ***BENHAM***	c. Name of firm with which associated: ***BENHAM***
d. Years experience: With this firm **Since 2006** With other firms **7**	d. Years experience: With this firm **Since 1993** With other firms **7**
e. Education: Degree(s)/Year/Specialization **BS/1999/Civil Engineering**	e. Education: Degree(s)/Year/Specialization **MS/1986/Civil Engineering** **BS/1985/Civil Engineering**
f. Active Registration: State/Year first registered/Discipline/Oklahoma License Number **2001/NHI Course No. 13055 – Safety Inspection of In-Service Bridges - Certified** **2004/Professional Engineer/OK/#21523** Oklahoma Certificate of Authority (if any)	f. Active Registration: State/Year first registered/Discipline/Oklahoma License Number **1990/Civil Engineer/OK #15852** **2000/NHI Course No. 13055 – Safety Inspection of In-Service Bridges – Certified** Oklahoma Certificate of Authority (if any)
g. Other experience and qualifications relevant to the proposed project: Mr. Bartosovsky specializes in bridge design, inspection, and rating. He has served as Project Manager/Team Leader of bridges for numerous county bridge inspection programs. His bridge inspection experience includes: • Bridge Inspection Services, Logan County, Oklahoma – Providing inspection services for 231 in-service bridges – Program Manager / Team Leader (2007-2008). • Bridge Inspection Services, Tulsa County, Oklahoma – Providing inspection services for 195 in-service bridges – Program Manager / Team Leader (2007-2008). • Bridge Inspection Services, City of Tulsa, Oklahoma – Providing inspection services for 256 in-service bridges – Program Manager / Team Leader (2007-2008). • Bridge Inspection Services, City of Sapulpa, Oklahoma – Providing inspection services for 11 in-service bridges – Program Manager / Team Leader (2007-2008). • Bridge Inspection Services, ODOT Off-System in Cities of Atoka, Durant, McAlester and Poteau along with Bryan, Choctaw, Coal (Districts 1 & 3), Garvin, McCurtain, Murray, Pittsburg and Pushmataha Counties – Providing inspection services for 1,266 in-service bridges – Program Manager (2010). • Previous experience as City/County Bridge Inspections, ODOT, Oklahoma – Program Manager / Team Leader: – Beaver County – Creek County – Ellis County – Garfield County – Grant County – Kay County – Kingfisher County – Lincoln County – Major County – McClain County – Pawnee County – Payne County – Pottawatomie County – Texas County – Woodward County – Woods County – City of Oklahoma City	g. Other experience and qualifications relevant to the proposed project: Ms. Tryon has 18 years of experience in structural design, as a lead engineer, and in bridge rating and inspection. In addition, she is experienced with the project related software, such as AASHTO's BRIDGEWare's Pontis software, versions 4.1 and 4.2. Her specific project experience includes: • City/County NBIS Bridge Inspection Program, ODOT, Oklahoma - Sapulpa (9 Bridges) – Program Manager (2003-2005) - Sapulpa (10 Bridges) – Program Manager (2005-2007) • City of Tulsa (240 Bridges) – Program Manager (2005-2007) • Bridge Inspection for Hulah Lake, USACE, Tulsa District, Oklahoma • Bridge Inspection for Copan Lake, USACE, Tulsa District, Oklahoma • Bridge Inspection for Kaw Lake, USACE, Tulsa District, Oklahoma • Bridge Inspection for Hugo Lake, USACE, Tulsa District, Oklahoma • Bridge Inspection for Lake Optima, USACE, Tulsa District, Oklahoma • Bridge Inspection for Ft. Supply Lake, USACE, Tulsa District, Oklahoma • Bridge Inspection for Broken Bow Lake, USACE, Tulsa District, Oklahoma • Bridge Inspection for Pine Creek Lake, USACE, Tulsa District, Oklahoma • Bridge Inspection for Dennison Lake, USACE, Tulsa District, Texas • Bridge Inspection for Fall River Lake, USACE, Tulsa District, Kansas • Bridge Inspection for Toronto Lake, USACE, Tulsa District, Kansas • Bridge Inspection for Ft. Gibson Lake, USACE, Tulsa District, Oklahoma • Bridge Inspection for Chouteau Lock & Dam, USACE, Tulsa District, Oklahoma • Bridge Inspection for Lake Eufaula, USACE, Tulsa District, Oklahoma • Bridge Inspection for Lake Tenkiller, USACE, Tulsa District, Oklahoma • Bridge Inspection for Lake Keystone, USACE, Tulsa District, Oklahoma • Bridge Inspection for John Redmond Lake, USACE, Tulsa District, Kansas • Bridge Inspection for Marion Lake, USACE, Tulsa District, Kansas

6. Brief resume of key persons, specialists, and individual consultants employed by sub-consultants anticipated for THIS PROJECT.

a. Name and Title: **Yongyut Ganjanathavat, PE**	a. Name and Title: **Glen Watkins**
b. Project Assignment: **Alternate Team Leader**	b. Project Assignment: **Team Leader**
c. Name of firm with which associated: ***BENHAM***	c. Name of firm with which associated: ***BENHAM***
d. Years experience: With this firm **Since 2009** With other firms **32**	d. Years experience: With this firm **Since 2007** With other firms 17
e. Education: Degree(s)/Year/Specialization **BS/1975/Civil Engineering**	e. Education: Degree(s)/Year/Specialization
f. Active Registration: State/Year first registered/Discipline/Oklahoma License Number **OK/1982/Professional Engineer/#12761** **NHI Course No. 13055 – Safety Inspection of In-Service Bridges – Certified** **NHI Course No. 13078 – Fracture Critical Inspection Techniques for Steel Bridges** Oklahoma Certificate of Authority (if any)	f. Active Registration: State/Year first registered/Discipline/Oklahoma License Number **1991/NHI Course No. 13055 – Safety Inspection of In-Service Bridges – Certified**
g. Other experience and qualifications relevant to the proposed project: Mr. Ganjanathavat recently joined Benham as a Senior Structural Engineer. He specializes in bridge design and bridge inspection. He has designed bridges including pre-stressed concrete beams, post-tension box girders, steel plate girders, steel box girders, reinforced concrete boxes, retaining walls, noise walls and other highway related structures such as foundations for highway signs and high mass light poles. His experience also includes load ratings for county bridges, Quality Control reviews of bridge plans for constructability and value engineering. His specific project experience includes: • 2005 Underwater Bridge Inspections – ODOT, Oklahoma – Program Manager and Team Leader for statewide underwater bridge inspections in 2005. • Emergency Underwater Bridge Inspections – ODOT, Oklahoma – Program manager for emergency underwater bridge inspections in 2007 & 2008. • Fracture Critical Bridge Inspection – I-40 Crosstown Expressway, ODOT, Oklahoma City, Oklahoma – Mr. Ganjanathavat was the Program Manager & Team Leader for this inspection in 2007. • Bridge Inspections, ODOT – Division 5, Oklahoma County, Oklahoma – Program Manager for Bridge Inspections from 2004-2009. • Truss Bridge Inspections – ODOT – Divisions 3, 4, 5, 6, 7, & 8, Oklahoma – Program Manager & Team Leader for Truss Bridge Inspections from 2006-2007. • I-40 Crosstown Expressway, *ODOT, Downtown Oklahoma City, Oklahoma* – Mr. Ganjanathavat was Bridge Design Engineer for bridges over the new alignment of the I-40 at Agnew Avenue and Pennsylvania Avenue. The bridge on Pennsylvania was a two span concrete U-Beam Bridge. The bridge was completed in 2009. The bridges on Agnew Avenue are under construction. • US-59 over the Grand Lake, *ODOT, Grove, OK* – Mr. Ganjanathavat was the project engineer for the Sailboat Bridge Project. These parallel bridges were the only segmental bridges in Oklahoma. The bridges were built in 1992 and the construction cost for the project was $20,000,000. • I-35 over the Cimarron River, ODOT, North of Guthrie, OK – Mr. Ganjanathavat was the Project Engineer for I-35 bridges over the Cimarron River. The bridges were damaged by flood in October 1986. I-35/I-40 Fort Smith Interchange, ODOT, Oklahoma City, OK – Mr. Ganjanathavat was the Project Engineer for Fort Smith Interchange Bridges.	g. Other experience and qualifications relevant to the proposed project: Mr. Watkins has experience as a ***Team Leader*** for bridge inspections for numerous bridges statewide. His specific project experience includes: • Bridge Inspection Services, Logan County, Oklahoma – Providing inspection services for 231 in-service bridges – Team Leader (2007-2008). • Bridge Inspection Services, Tulsa County, Oklahoma – Providing inspection services for 195 in-service bridges – Team Leader (2007-2008). • Bridge Inspection Services, City of Tulsa, Oklahoma – Providing inspection services for 256 in-service bridges – Team Leader (2007-2008). • Bridge Inspection Services, City of Sapulpa, Oklahoma – Providing inspection services for 11 in-service bridges – Team Leader (2007-2008). • City/County Bridge Inspections, ODOT, Oklahoma –Team Leader - Beaver County - Creek County - Ellis County - Garfield County - Garvin County - Grant County - Kay County - Kingfisher County - Lincoln County - Major County - McClain County - Pawnee County - Payne County - Pottawatomie County - Texas County - City of Oklahoma City - Woodward County - Woods County

6. Brief resume of key persons, specialists, and individual consultants employed by sub-consultants anticipated for THIS PROJECT.

a. Name and Title: **Mike Wingfield, PE**	a. Name and Title: **Jerald Smith, PE**
b. Project Assignment: **Team Leader**	b. Project Assignment: **Team Leader**
c. Name of firm with which associated: ***BENHAM***	c. Name of firm with which associated: ***BENHAM***
d. Years experience: With this firm **Since 2010** With other firms **44**	d. Years experience: With this firm **Since 2010** With other firms **17**
e. Education: Degree(s)/Year/Specialization **BS/1965/Civil Engineering**	e. Education: Degree(s)/Year/Specialization
f. Active Registration: State/Year first registered/Discipline/Oklahoma License Number **OK/Professional Engineer/#12226** **NHI Course No. 13055 – Safety Inspection of In-Service Bridges – Certified** **NHI Course No. 13078 – Fracture Critical Inspection Techniques for Steel Bridges** Oklahoma Certificate of Authority (if any)	f. Active Registration: State/Year first registered/Discipline/Oklahoma License Number **OK/Professional Engineer/#13107** **NHI Course No. 13055 – Safety Inspection of In-Service Bridges – Certified** **NHI Course No. 13078 – Fracture Critical Inspection Techniques for Steel Bridges** Oklahoma Certificate of Authority (if any)
g. Other experience and qualifications relevant to the proposed project: Mr. Wingfield has experience as a **Team Leader** and **Program Manager** for bridge inspections in numerous counties. Mr. Wingfield worked for ODOT for over 20 years and in that time served as a resident engineer and Asst Division Engineer in Division 2. Mr. Wingfield has supervised construction for many on-system and off-system bridges. In 1988, Mr. Wingfield Started his own engineering company that specialized in bridge inspections in southeast Oklahoma. • City/County Bridge Inspections, ODOT, Oklahoma –Team Leader - City of Atoka - City of Durant - City of McAlester - City of Poteau - Adair County - Bryan County - Choctaw County - Coal County - Garvin County - Latimer County - Marshall County - McCurtain County - McIntosh County - Murray County - Pittsburg County - Pushmataha County	g. Other experience and qualifications relevant to the proposed project: Mr. Smith has experience as a PE Team Leader for off-system bridge inspections in numerous cities and counties in SE Oklahoma. Mr. Smith brings over 50 years experience to the Benham team in maintenance and inspection of bridges. In his 35 year career at ODOT, Mr. Smith served as a surveyor, Associate Engineer and Maintenance Engineer. As such, Mr. Smith had experience in inspection and maintenance programs for bridges of many design types and levels of traffic. • City/County Bridge Inspections, ODOT, Oklahoma –Team Leader - City of Atoka - City of Durant - City of McAlester - City of Poteau - Adair County - Bryan County - Choctaw County - Coal County - Garvin County - Latimer County - Marshall County - McCurtain County - McIntosh County - Murray County - Pittsburg County - Pushmataha County

6. Brief resume of key persons, specialists, and individual consultants employed by sub-consultants anticipated for THIS PROJECT.	
a. Name and Title: **Bradley Burtch**	a. Name and Title: **Shannon Koeninger, PE**
b. Project Assignment: **Alternate Team Leader**	b. Project Assignment: **Qualified Assistant**
c. Name of firm with which associated: ***BENHAM***	c. Name of firm with which associated: ***BENHAM***
d. Years experience: With this firm **Since 2010** With other firms **11**	d. Years experience: With this firm **Since 1999** With other firms **2**
e. Education: Degree(s)/Year/Specialization	e. Education: Degree(s)/Year/Specialization **MS/1997/Civil Engineering** **BS/1995/Civil Engineering**
f. Active Registration: State/Year first registered/Discipline/Oklahoma License Number **NHI Course No. 13055 – Safety Inspection of In-Service Bridges – Certified** **NHI Course No. 13078 – Fracture Critical Inspection Techniques for Steel Bridges** Oklahoma Certificate of Authority (if any)	f. Active Registration: State/Year first registered/Discipline/ Oklahoma License Number **2002/Professional Engineer/OK/#20481** Oklahoma Certificate of Authority (if any)
g. Other experience and qualifications relevant to the proposed project: Mr. Burtch has experience as a **Team Leader** and **Qualified Assistant**. Mr. Burtch has over 8 years experience in bridge inspections in numerous cities and counties in southeastern Oklahoma. Prior to inspecting bridges, Mr. Burtch worked in bridges construction and is very familiar with all aspects of bridge construction, bridge construction inspection as well as elemental inspection. • City/County Bridge Inspections, ODOT, Oklahoma –Team Leader - City of Atoka - City of Durant - City of McAlester - City of Poteau - Adair County - Bryan County - Choctaw County - Coal County - Garvin County - Latimer County - Marshall County - McCurtain County - McIntosh County - Murray County - Pittsburg County - Pushmataha County	g. Other experience and qualifications relevant to the proposed project: Ms. Koeninger's experience includes structural inspections, structural design of bridges, drainage structures and retaining structures for transportation projects. She has attended ODOT's seminar and is a ***Qualified Assistant***. She is attending QA/QC workshops and working toward becoming a PE Team Leader. Her specific project experience includes: • Claremore Lake Dam Inspection, City of Claremore, Claremore, Oklahoma – Responsibilities included evaluation of outlet works seepage concerns, instrumentation condition assessments, and embankment repair coordination. • Pensacola Dam Inspection Report, GRDA, Langley, Oklahoma – Responsibilities included evaluation of foundation interaction and principal structure stresses in a 7200 foot long multiple arch concrete dam as well as coordination of peer review by Oklahoma State University structures department through Dr. G. Steven Gipson. Review is by finite element methods which were reviewed by the Federal Energy Regulatory Commission (FERC). Also responsible for structural sliding stability calculations. • Skiatook Lake Spillway Modifications, Corps of Engineers, Skiatook, Oklahoma – Responsibilities included checking design of structural retaining walls of modified overflow spillway. Prepared structural calculations, detail drawings, and construction specifications. • Gantt and Point "A" Dams, Alabama Electric corporation, Andalusia, --Alabama – Responsibilities included review of embankment stability of wing dikes for two Federal Energy Regulatory Commission controlled structures. Design expanded instrumentation monitoring systems for seepage and embankment phreatic surface level concerns associated with potential internal erosion indications. • 81st Street at I-44 Bridge Replacement, Oklahoma Department of Transportation, Tulsa, Oklahoma – Responsible for structural design and plan preparation. Project consisted of design of a 41'-63'-63'-21' plate girder bridge with a 56' clear roadway crossing I-44. • Bridge Replacement at Port Road over Coal Creek, City of Tulsa, Tulsa County, Oklahoma – Responsible for structural design and plan preparation. Project consisted of the design of a 50'-66'-50' Type II PCB structure with a 92' clear roadway, including a 40' center median. The bridge also includes sidewalks on each side with pedestrian rails.

6. Brief resume of key persons, specialists, and individual consultants employed by sub-consultants anticipated for THIS PROJECT.	
a. Name and Title: **Richard Shepherd**	a. Name and Title: **Mary Watkins**
b. Project Assignment: **Qualified Assistant**	b. Project Assignment: **Qualified Assistant**
c. Name of firm with which associated: ***BENHAM***	c. Name of firm with which associated: ***BENHAM***
d. Years experience: With this firm **1993-2000 & Since 1998** With other firms **13**	d. Years experience: With this firm **Since 2008** With other firms **8**
e. Education: Degree(s)/Year/Specialization **AS/1981/Industrial Drafting Technology**	e. Education: Degree(s)/Year/Specialization
f. Active Registration: State/Year first registered/Discipline/Oklahoma License Number Oklahoma Certificate of Authority (if any)	f. Active Registration: State/Year first registered/Discipline/Oklahoma License Number Oklahoma Certificate of Authority (if any)
g. Other experience and qualifications relevant to the proposed project: Mr. Shepherd is an experienced structural detailing and design draftsman, including board drafting, AutoCAD, and Microstation. He is also a ***Qualified Assistant*** for bridge inspections. Specific project experience includes: • City/County Bridge Inspections, ODOT, Oklahoma - Sapulpa (10 bridges) – Qualified Assistant (2007-2008) - City of Tulsa (256 Bridges) – Qualified Assistant (2007-2008) - Sapulpa (10 bridges) – Qualified Assistant (2005-2006) - City of Tulsa (256 Bridges) – Qualified Assistant (2005-2006) • 81st Street South Bridge over Turner Turnpike (I-44), Oklahoma Department of Transportation, Tulsa, Oklahoma — LRFD Bridge Design. Loading: HL-93 & Oklahoma Overload Truck with allowance for future surface. Six lanes 92'-0" clear roadway with 7'-6" sidewalk each side, Spans 2 - 50' and 1- 66' type II P.C. beams. • Port Road (River Crossing), City of Tulsa, Oklahoma — AASHTO LRFD Bridge Design. Loading: HL-93 & Oklahoma Overload Truck with allowance for future surface. Six lanes 92'-0" clear roadway with 7'-6" sidewalk each side, Spans 2 - 50' and 1- 66' type II P.C. beams. • Briton over (U.S 77) Broadway Extension, Oklahoma Department of Transportation, Oklahoma City, Oklahoma — AASHTO LRFD Bridge Design. Loading: HL-93 & Oklahoma Overload Truck with allowance for future surface. Five lanes 22.800m clear roadway with 2 sidewalks at 1.800m, and Texas Turn-Around lanes each side, Spans 2 - 14.000m and 2 - 29.000m type IV P.C. beams. Hammerhead Piers. • Ramp "C" over (U.S 77) Broadway Extension, Oklahoma Department of Transportation, Oklahoma City, Oklahoma — AASHTO LRFD Bridge Design. Loading: HL-93 & Oklahoma Overload Truck with allowance for future surface. 11.400m clear roadway, Spans 2 – 26.975m type IV P.C. beams. 27 degree 29' skew. Abutments tie to Widened Memorial bridge. • (U.S 77) Broadway Extension over Hefner Road, Oklahoma Department of Transportation, Oklahoma City, Oklahoma — AASHTO LRFD Bridge Design. Loading: HL-93 & Oklahoma Overload Truck with allowance for future surface. Six lanes 37.200m clear roadway, Spans 2 – 31.100m and 1 – 27.300m type IV P.C. beams. Hammerhead Piers.	g. Other experience and qualifications relevant to the proposed project: Mrs. Watkins has experience as a ***Qualified Assistant*** for bridge inspections for numerous bridges statewide. Her specific project experience includes: • Bridge Inspection Services, Logan County, Oklahoma – Providing inspection services for 231 in-service bridges – Qualified Assistant (2007-2008). • Bridge Inspection Services, Tulsa County, Oklahoma – Providing inspection services for 195 in-service bridges – Qualified Assistant (2007-2008). • Bridge Inspection Services, City of Tulsa, Oklahoma – Providing inspection services for 256 in-service bridges – Qualified Assistant (2007-2008). • Bridge Inspection Services, City of Sapulpa, Oklahoma – Providing inspection services for 11 in-service bridges – Qualified Assistant (2007-2008). • City/County Bridge Inspections, ODOT, Oklahoma – Qualified Assistant - Beaver County - Creek County - Ellis County - Garfield County - Garvin County - Grant County - Kay County - Kingfisher County - Lincoln County - Major County - McClain County - Pawnee County - Payne County - Pottawatomie County - Texas County - City of Oklahoma City - Woodward County - Woods County

7. Work by Firm or members which best illustrates current qualifications relevant to THIS PROJECT (list not more than 10 projects)

a. Project Name & Location	"P", "C", "JV" or "I"	b. Nature of Firm's Responsibility	c. Project Owner's Name & Address	d. Completion Date	Estimated Cost (000's) Entire Project	Estimated Cost (000's) Firm's Portion
1. In-Service Bridge Inspections *Tulsa, Oklahoma*	C	Benham is providing bridge inspection services for 256 bridges for the City.	City of Tulsa 2317 So. Jackson Tulsa, Oklahoma 74107 Mr. Chris Cox 918.596.9574	2007-2008	$98	$98

Project Description

Benham was selected to perform bridge inspections for the City for 256 bridges for 2007-2008, as well as for 2005-2006. The inspections are for the NBIS inspection program, and include updating the Pontis database, reviewing the load ratings and updating where necessary, preparing reports with Pontis data and work candidates, and coordinating with the City for load postings and overhead clearance signage. The City has 3 long/tall bridges requiring a snooper truck for inspection.

7. Work by Firm or members which best illustrates current qualifications relevant to THIS PROJECT (list not more than 10 projects)

a. Project Name & Location	"P", "C", "JV" or "I"	b. Nature of Firm's Responsibility	c. Project Owner's Name & Address	d. Completion Date	Estimated Cost (000's) Entire Project	Firm's Portion
2. In-Service Bridge Inspections *Tulsa, Oklahoma*	C	Benham provided bridge inspection services for 256 bridges for the City.	City of Tulsa 2317 So. Jackson Tulsa, Oklahoma 74107 Mr. Chris Cox 918.596.9574	2005-2006	$130	$130

Project Description

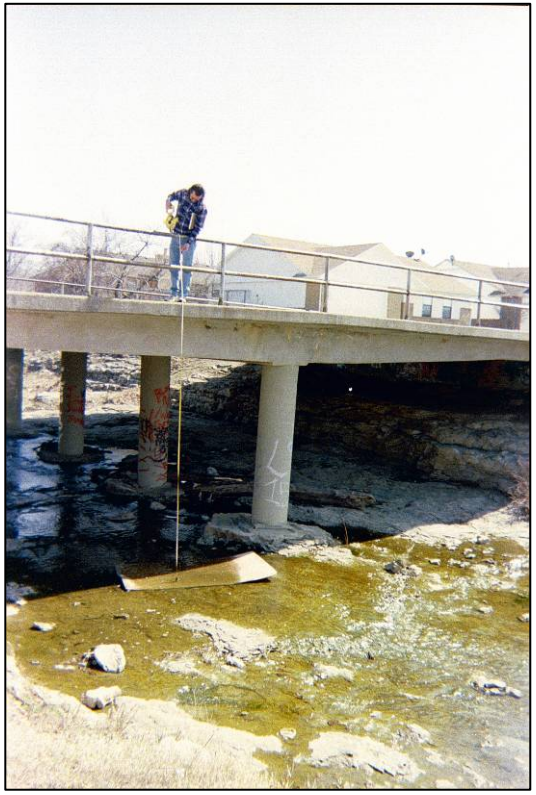
Benham was selected to perform bridge inspections for the City for 256 bridges for 2005-2006. The inspections are for the NBIS inspection program, and include updating the Pontis database, reviewing the load ratings and updating where necessary, preparing reports with Pontis data and work candidates, and coordinating with the City for load postings and overhead clearance signage. The City has 3 long/tall bridges requiring a snooper truck for inspection.

7. Work by Firm or members which best illustrates current qualifications relevant to THIS PROJECT (list not more than 10 projects)

a. Project Name & Location	"P", "C", "JV" or "I"	b. Nature of Firm's Responsibility	c. Project Owner's Name & Address	d. Completion Date	Estimated Cost (000's) Entire Project	Estimated Cost (000's) Firm's Portion
3. In-Service Bridge Inspections *Tulsa County, Oklahoma*	C	Benham is providing bridge inspection services for 195 bridges for the County.	Tulsa County Administration Building 500 S. Denver Tulsa, Oklahoma 74103 Mr. Tom Rains 918.596.5736	2007-2008	$70	$70

Project Description

Benham was selected to perform bridge inspections for the County for 195 bridges for 2007-2008. The inspections are for the NBIS inspection program, and include updating the Pontis database, reviewing the load ratings and updating where necessary, preparing reports with Pontis data and work candidates, and coordinating with the County for load postings and overhead clearance signage.



7. Work by Firm or members which best illustrates current qualifications relevant to THIS PROJECT (list not more than 10 projects)

a. Project Name & Location	"P", "C", "JV" or "I"	b. Nature of Firm's Responsibility	c. Project Owner's Name & Address	d. Completion Date	Estimated Cost (000's) Entire Project	Estimated Cost (000's) Firm's Portion
4. In-Service Bridge Inspections *Sapulpa, Oklahoma*	C	Benham is providing bridge inspection services for 11 bridges for the City.	City of Sapulpa 425 East Dewey Avenue P.O. Box 1130 Sapulpa, Oklahoma 74067 Mr. David Gilliland 918.224.3040	2005-2006 2007-2008 2009-2010	$4.5 $4.5 $4.5	$4.5 $4.5 $4.5

Project Description

Benham was selected to perform visual bridge inspections of 11 bridges. Bridge types include reinforced concrete boxes, prestressed concrete beam bridges, rolled shape steel bridges, and a 1929 through truss bridge. Pontis forms are used to provide the condition state of the elements in accordance with NHI/FHWA condition ratings. Processing of the field data included entry of current information into the Pontis database, error-checking of the data, and submittal of the electronic data. Also included is preparation of a hard-copy report with photographs and repair recommendations. Load ratings for LFD criteria were developed for a truss bridge which was load posted.

7. Work by Firm or members which best illustrates current qualifications relevant to THIS PROJECT (list not more than 10 projects)						
a. Project Name & Location	"P", "C", "JV" or "I"	b. Nature of Firm's Responsibility	c. Project Owner's Name & Address	d. Completion Date	Estimated Cost (000's) Entire Project	Estimated Cost (000's) Firm's Portion
5. In-Service Bridge Inspections *Coal County*	C	Benham provided bridge inspection services for 52 bridges in the county in Divisions 1 & 3.	Coal County – Board of Commissioners 5 West Clay Coalgate, OK 74538 Mr. Alvin Pebworth – Dist. 1 580.845.2442 Mr. Mike Hensley – Dist. 3 580.428.3250	2009-20010	$18.3	$18.3

Project Description

Benham was selected to perform visual bridge inspections of 52 bridges. Bridge types include reinforced concrete boxes, prestressed concrete beam bridges, reinforced concrete boxes, and rolled shape steel bridges.Pontis forms are used to provide the condition state of the elements in accordance with NHI/FHWA condition ratings. Processing of the field data included entry of current information into the Pontis database, error-checking of the data, and submittal of the electronic data. Also included is preparation of a hard-copy report with photographs and repair recommendations. Load ratings for LFD criteria were developed for a truss bridge which was load posted.

7. Work by Firm or members which best illustrates current qualifications relevant to THIS PROJECT (list not more than 10 projects)						
					Estimated Cost (000's)	
a. Project Name & Location	"P", "C", "JV" or "I"	b. Nature of Firm's Responsibility	c. Project Owner's Name & Address	d. Completion Date	Entire Project	Firm's Portion
6. In-Service Bridge Inspections *Garvin County*	C	Benham provided bridge inspection services for 272 bridges for the County.	Garvin County – Board of Commissioners PO Box 237 Pauls Valley, OK 73075 Mr. Kenneth Holden – Dist. 1 405.867.4409 Mr. Shon Richardson – Dist. 2 580.788.2156 Mr. Johnny Mann – Dist. 3 580.759.2632	2009-2010	$73.2	$73.2

Project Description

Benham was selected to perform visual bridge inspections of 272 bridges. Bridge types include reinforced concrete boxes, prestressed concrete beam bridges, rolled shape steel bridges, and several truss bridges. Pontis forms are used to provide the condition state of the elements in accordance with NHI/FHWA condition ratings. Processing of the field data included entry of current information into the Pontis database, error-checking of the data, and submittal of the electronic data. Also included is preparation of a hard-copy report with photographs and repair recommendations. Load ratings for LFD criteria were developed for a truss bridge which was load posted.

7. Work by Firm or members which best illustrates current qualifications relevant to THIS PROJECT (list not more than 10 projects)						
a. Project Name & Location	"P", "C", "JV" or "I"	b. Nature of Firm's Responsibility	c. Project Owner's Name & Address	d. Completion Date	Estimated Cost (000's) Entire Project	Firm's Portion
7. In-Service Bridge Inspections *Logan County, Oklahoma*	C	Benham is providing bridge inspection services for 231 bridges for the County.	Logan County Courthouse 301 East Harrison Guthrie, Oklahoma 73044 Mr. Mark Sharpton–Dist. 1 405.282.3581 Mr. Mark Leach-Dist. 2 405.282.3405 Mr. Monty Piearcy-Dist. 3 405.969.3388	2007-2008	$88	$88

Project Description

Benham was selected to perform bridge inspections for the County for 231 bridges for 2007-2008. The inspections are for the NBIS inspection program, and include updating the Pontis database, reviewing the load ratings and updating where necessary, preparing reports with Pontis data and work candidates, and coordinating with the County for load postings and overhead clearance signage.

7. Work by Firm or members which best illustrates current qualifications relevant to THIS PROJECT (list not more than 10 projects)						
a. Project Name & Location	"P", "C", "JV" or "I"	b. Nature of Firm's Responsibility	c. Project Owner's Name & Address	d. Completion Date	Estimated Cost (000's) Entire Project	Firm's Portion
8. In-Service Bridge Inspections *Oklahoma*	C	Benham performs bridge inspection services for over 800 bridges for the Authority.	Oklahoma Turnpike Authority 3500 MLK Blvd. OKC, Oklahoma 73111 Mr. Gordon Johnson, Director of Engineering 405.425.3600	1998-Present	$150 (per year)	$150 (per year)

Project Description

Benham performs bridge inspections for the Oklahoma Turnpike Authority. The inspections are for the NBIS inspection program, and include updating the Pontis database, reviewing the load ratings and updating where necessary, preparing reports with Pontis data and work candidates, and coordinating with the County for load postings and overhead clearance signage.

7. Work by Firm or members which best illustrates current qualifications relevant to THIS PROJECT (list not more than 10 projects)

a. Project Name & Location	"P", "C", "JV" or "I"	b. Nature of Firm's Responsibility	c. Project Owner's Name & Address	d. Completion Date	Estimated Cost (000's) Entire Project	Firm's Portion
9. Spillway and In-Service Bridge Inspections *Tulsa District*	C	Benham provided bridge inspection services for 12 bridges for the District.	USACE – Tulsa District 1645 S 101 E Ave Tulsa, OK 74128-4609 Mr. Michael Mills 918. 669.7346	2003	$84.1	$84.1

Project Description

Benham Inspected 12 spillway and service bridges in Kansas, Texas, and Oklahoma for the Tulsa District. Locations include Fall River Lake, Toronto Lake, Dennison Lake, Hulah Lake, Copan Lake, Kaw Lake, Hugo Lake, Lake Optima, Ft. Supply Lake, Broken Bow Lake, and Pine Creek Lake. Visual inspection of components incorporated up-close inspection of bridge seats, bearings, beams, underside of deck, topside of deck, curbs, parapets and handrails. Corps inspection forms were used to record and present the findings. Photographs of typical features and conditions, as well as anomalies, were presented in the final report to document the current condition of the components. As warranted by the inspection schedule, snooper trucks were used to provide a closer look at the underside of the bridge. Previous reports were updated to present the new findings and condition of the bridge components, and to provide recommendations for repair and maintenance items. Bridge types include concrete cast-in-place superstructures, welded plate girders, and riveted plate girders.

7. Work by Firm or members which best illustrates current qualifications relevant to THIS PROJECT (list not more than 10 projects)

a. Project Name & Location	"P", "C", "JV" or "I"	b. Nature of Firm's Responsibility	c. Project Owner's Name & Address	d. Completion Date	Estimated Cost (000's) Entire Project	Estimated Cost (000's) Firm's Portion
10. Spillway and In-Service Bridge Inspections *Tulsa District*	C	Benham provided bridge inspection services for 7 bridges for the District.	USACE – Tulsa District 1645 S 101 E Ave Tulsa, OK 74128-4609 Mr. Michael Mills 918. 669.7346	2004	$109.7	$109.7

Project Description

Benham inspected 7 spillway bridges in Kansas and Oklahoma for the Tulsa District. Locations include John Redmond Lake, Marion Lake, Ft. Gibson Lake, Chouteau Lock & Dam, Lake Eufaula, Lake Tenkiller, and Lake Keystone. Visual inspection of components incorporated up-close inspection of bridge seats, bearings, beams, underside of deck, topside of deck, curbs, parapets and handrails. Corps inspection forms were used to record and present the findings. Photographs of typical features and conditions, as well as anomalies, were presented in the final report to document the current condition of the components. As warranted by the inspection schedule, snooper trucks were used to provide a closer look at the underside of the bridge. Previous reports were updated to present the new findings and condition of the bridge components, and to provide recommendations for repair and maintenance items. Bridge types include concrete cast-in-place structures, welded plate girders, and rolled steel beams.

8. Use this space to provide any additional information or description of resources (including any computer design capabilities) supporting your firm's qualifications for the proposed project.	
Team Background 	**THE BENHAM COMPANIES** Benham is a full-service organization providing engineering, architecture and planning services nationwide. We specialize in design, engineering, construction and traffic study services for the transportation industry. Benham serves clients from 13 division offices across the United States **including Oklahoma City, Oklahoma; Tulsa, Oklahoma; Norman, Oklahoma; Little Rock, Arkansas; Lowell, Arkansas; and St. Louis, Missouri.** The firm employs more than 900 professionals. Benham averages over $1 billion in U.S. construction design annually and is ranked in the **top one percent of all A/E firms** by *Engineering News Record.* Our success and professionalism can be verified by the fact that over 83% of all of our projects are designed for repeat clients.
1) Professional Qualifications	Benham employs professional and technical personnel representing every discipline that may be required for this contract. Our staff is highly qualified, trained, experienced, and certified. In short, Benham offers the following capabilities for the successful performance of all projects we undertake: • All required disciplines are represented • Compatible team relationship for a unified effort • Prior experience in accomplishing similar tasks • Staff availability for the duration of the projects • Proven track record of completing of projects on time and in budget Please see block 6 resumes for the specific qualifications of Team members.
2) General & Specialized Experience and Technical Competence	Benham has 5 professionals that have attended the NHI Training Course Number 13055 – Safety Inspection of In-Service Bridges. Benham has provided Certified Bridge Inspection Services since 2003, and is currently providing bridge inspections for the Logan County, Tulsa County, City of Sapulpa, and the City of Tulsa in accordance with the latest ODOT, FHWA, AASHTO, and National Bridge Inspections Standards (NBIS). Benham has experience in the inspection and rating of numerous in-service bridges. We offer a top quality professional team to provide bridge inspection and rating services. Our engineers are

experienced in preparing load ratings for city and county bridges using PennDOT's Bar-7, LEAP's Conspan, and Wyoming DOT's BRASS-CULVERT software.

In addition to those projects highlighted in Item 7 of this submittal, the following projects further illustrate our structure inspection-related experience:

Bridge 14.28 – SH 20 over Will Rogers Turnpike
Grand River Dam Authority • Northeastern Oklahoma
Benham performed field inspection of existing bridge. The bridge is a prestressed concrete beam bridge comprised of 64'-134'-134'-104' spans. The total length of the bridge is 436 feet from abutment to abutment. Analyzed existing structure to determine the strength of the structure and calculated a load rating. Prepared detail report which provided all inspection information, load rating, and recommendations for repair.

Key Features
- 436 feet Four Span Bridge
- Prestressed Concrete Beam Bridge
- Key elements inspected included deck, beams, joints, pier caps, columns, and abutment
- Provide recommendations for cost effective repairs

10-Mile Bridge at Blanco Wash
San Juan County • New Mexico
Benham performed field inspection of existing bridge. The bridge is a two-span prestressed concrete double-T beam bridge comprised of two 75 foot spans. Analyzed existing structure to determine the strength of the structure and calculated a load rating. Prepared detail report which provided all inspection information, load rating, and recommendations for repair.

Key Features
- 150 feet Two Span Bridge
- Prestressed Concrete Double-T Bridge
- Provide scour protection recommendations at abutments
- Provided cost effective repairs the County could perform with in-house staff
- Provided recommendations for Approach Slab repairs

Bridge 37.92 – County Road over Will Rogers Turnpike
Grand River Dam Authority • Northeastern Oklahoma
Benham performed field inspection of existing bridge. The bridge is a three span steel I-beam bridge comprised of 34'-43'-43'-34' spans. The total length of the bridge is 154 feet from abutment to abutment. Analyzed existing structure to determine the strength of the structure and calculated a load rating. Prepared detail report which provided all inspection information, load rating, and recommendations for repair.

Key Features
- 154 feet Single Span Bridge
- Steel I-Beam Bridge
- Provide recommendations for cost effective repairs

Bridge 31.30 – County Road over Will Rogers Turnpike
Grand River Dam Authority • Northeastern Oklahoma
Benham performed field inspection of existing bridge. The bridge is a steel I-beam bridge comprised of 36'-45'-45'-36' spans. The total length of the bridge is 162 feet from abutment to abutment. Analyzed existing structure to determine the strength of the structure and calculated a load rating. Prepared detail report which provided all inspection information, load rating, and recommendations for repair.

Key Features
- 162 feet Four Span Bridge
- Steel I-Beam Bridge
- Provide recommendations for cost effective repairs

5-Mile Bridge at Largo Wash
San Juan County • New Mexico
Benham performed field inspection of existing bridge. The bridge is a single span steel truss bridge comprised of 14 truss panels at approximately 18 feet each. The total length of the bridge is 255 feet from abutment to abutment. Analyzed existing structure to determine the strength of the structure and calculated a load rating. Prepared detail report which provided all inspection information, load rating, and recommendations for repair.

Key Features
- 255 feet Single Span Bridge
- Steel Truss Bridge
- Provide scour protection recommendations at abutments
- Provided cost effective repairs the County could perform with in-house staff
- Provided recommendation for new bridge deck

Bridge 46.10 –Will Rogers Turnpike over Big Cabin Creek
Oklahoma Transportation Authority • Northeastern Oklahoma

Benham performed field inspection of existing bridge. The bridge is a riveted steel beam bridge comprised of three spans at approximately 100 feet each. The total length of the bridge is 300 feet from abutment to abutment. In the process of analyzing existing structure to determine the strength of the structure and calculated a load rating. Preparing detail report which providing all inspection information, load rating, and recommendations for repair.

Key Features:

- 300 feet Three Span Bridge
- Riveted Steel Beam Bridge
- Provide scour protection recommendations at abutments
- Provide recommendations for cost effective repairs

Bridge 40.97 – US 69 over Will Rogers Turnpike
Grand River Dam Authority • Northeastern Oklahoma

Benham performed field inspection of existing bridge. The bridge is a steel I-beam bridge comprised of 72'-88'-88'-72' spans. The total length of the bridge is 320' from abutment to abutment. Analyzed existing structure to determine the strength of the structure and calculated a load rating. Prepared detail report which provided all inspection information, load rating, and recommendations for repair.

Key Bridge Features

- 320 feet Four Span Bridge
- Steel I-Beam Bridge
- Provide recommendations for cost effective repairs

Key Features of Inspection Included:

- Decks
- Beams
- Bearings
- Expansion Joints
- Pier Caps
- Pier Columns

Bridge 80.00 – US 69 over Will Rogers Turnpike over Spring River
Oklahoma Transportation Authority • Northeastern Oklahoma

Benham performed field inspection of existing bridge. The bridge is an eight-span bridge comprised of the following spans: 67' steel I-beam, 3-101' prestressed concrete beam, 147'-21'-147' continuous plate girder, and 41' steel I-beam. The total length of the bridge is 915' from abutment to abutment. In the process of analyzing existing structure to determine the strength of the structure and calculated a load rating. Preparing detail report which providing all inspection information, load rating, and recommendations for repair.

Key Features

- 915 feet Multi-Span Bridge
- Steel rolled shape, prestressed concrete, and continuous plate girder bridge
- Provide scour protection recommendations at abutments
- Provide recommendations for cost effective repairs

Military Bridge on CR 7150 at Carson Trading Post
San Juan County • New Mexico

Benham performed field inspection of existing bridge. The bridge is a 17 span steel bridge constructed from components of a military Class 60 Floating Bridge. Each span length is approximately 20 feet, and the total bridge length is 345 feet from abutment to abutment. Analyzed existing structure to determine the strength of the structure and calculated a load rating. Prepared detail report which provided all inspection information, load rating, and recommendations for repair.

Key Features

- 345 feet 17 Span Bridge
- Steel Class 60 Floating Bridge Components with pinned connections
- Steel Pipe Columns
- Steel Beam Pier Cap (Fracture Critical Members)
- Steel Grate Deck
- Provide scour protection recommendations at abutments
- Provided cost effective repairs the County could perform with in-house staff

3) Capacity to Accomplish Work

With a staff of more than 900 professionals, the Benham Team is well suited to perform multiple task orders concurrently. Our depth of staff provides flexibility in the assignment of personnel required to meet accelerated schedules. Being a large firm with diverse resources, we have the flexibility to add staff when required. In addition to those listed in the organization chart, we can support those specified professionals with additional engineering technicians, drafters, and clerical staff.

4) Past Performance	We encourage inquiry concerning our performance record with regard to cost control, quality of work, and project schedule. Please refer to our list of references in Block 7c of this submittal.
5) Geographic Proximity	Benham's Oklahoma City & Tulsa offices will provide the services for this contract. Benham's bridge inspection professionals are experienced and certified to provide these services.
SUMMARY	***In short, Benham has the desire, knowledge, and capacity to provide the Oklahoma Department of Transportation with the professional expertise necessary to successfully provide bridge inspection services for this contract. Our Team is positioned and staffed to accept multiple projects. We look forward to the opportunity to perform for you again.***

9. 61 O.S. 64. Offenses

Any consultant or person doing engineering work for the State of Oklahoma, their agents, servants or employees, who shall receive gratuity from any contractor or builder of any public building or works, or solicit, receive or make any political contribution from or to a contractor or a builder of any public building or works, or who attempts to interfere with the competitive bidding process of the State of Oklahoma in any manner, is guilty of a misdemeanor, and upon conviction thereof shall be fined not less than One Hundred Dollars ($100.00) nor more than Five Hundred Dollars ($500.00), and by imprisonment in the county jail for not less than six (6) months nor more than one (1) year. Any contractor or builder of any public building or works, their agents, servants or employees, who shall offer any gratuity or political contribution to any consultant doing engineering work for the State of Oklahoma, or who attempts to interfere with the competitive bid process of the State of Oklahoma in any manner, is guilty of a misdemeanor, and upon conviction thereof shall be fined not less than One Hundred Dollars ($100.00) nor more than Five Hundred Dollars ($500.00), and by imprisonment in the county jail for not less than six (6) months nor more than one (1) year.

10. The foregoing is a statement of facts: Signature: Alan A. Soltani	Typed Name & Title: Alan A. Soltani, Ph.D., P.E. – Director of Transportation	Date: October 8, 2010